

CURRICULUM VITAE

Lars A. Ross

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Education

- Ph.D. 2008, Psychology, Cognitive Neuroscience, City University New York, NY, USA
- MSc. (Dipl. Psych.) 2002, Psychology, Humboldt Universitaet zu Berlin, Germany
- Exchange student at the City University New York (1997-1998)
- Psychology studies (“Grundstudium”) at the Humboldt Universitaet zu Berlin, Germany

Professional Experience

- Temple University Philadelphia/ University of Pennsylvania (Postdoctoral Fellow, 2008- present)
- Nathan Kline Institute for Psychiatric Research (Research Assistant, 2003-2008)
- College of Staten Island and Institute for Basic Research for Developmental Disabilities (Doctoral Fellow 2002-2003)
- Humboldt Universitaet zu Berlin, Germany (Research Assistant 1999-2001)

Teaching Experience

- Ramapo College of New Jersey (Assistant Professor of Psychology, 2006-2007)
- City University of New York (Instructor of Psychology, 2003/2005-2006)

Awards

- Barmack Dissertation Award (2008)
- Doctoral Research Grant (CUNY) (2006)
- Fellowship for the Summer Institute in Cognitive Neuroscience at the Dartmouth Medical School, New Hampshire, USA. (2005)
- International student award of the City University New York (2004)
- Graduate student award. Meeting of International Multisensory Research Forum Hamilton, Ontario, Canada (2003)

Other Professional Experience

- Ad-hoc journal reviewer: European Journal of Neuroscience, Human Brain Mapping, Schizophrenia Research, Neuroscience Letters, NeuroReport, Memory and Cognition.
- Athinuola A. Martinos Center for Biomedical Imaging. Functional MRI visiting fellowship. (October, 2008)
- Evangelisches Geriatriezentrum Berlin (neuropsychology internship, 2000)
- City College of New York and Methodist Hospital Brooklyn, NY (Sleep Medicine internship, 1998)

Skills

- Human fMRI research
- Human scalp and intracranial EEG and ERP
- Polygraphy
- Transcranial direct current stimulation (tDCS)
- Clinical diagnostic interviewing and testing

Peer-Reviewed Publications

- **Ross, L.A.**, Olson, I.R. (2009). Social Cognition and the Anterior Temporal Lobes. *NeuroImage*. (in press).
- Ma, W.J., Zhou, X., **Ross, L.A.**, Foxe, J.J. and Parra L.C. (2009). Lip-reading aids word recognition most in moderate noise: a Bayesian explanation using high-dimensional feature space. *PLoS ONE*, 4(3):e4638.
- **Ross, L.A.**, Saint-Amour, D., Leavitt, V., Javitt, D.C., Molholm, S. & Foxe J.J. (2007). Impaired Multisensory Processing in Schizophrenia: Deficits in Visual Enhancement of Speech Comprehension Under Noisy Environmental Conditions. *Schizophrenia Res.*, 97 (1-3), 173-183.
- **Ross, L.A.**, Saint-Amour, D., Leavitt, V., Javitt, D.C. & Foxe J.J. (2007). "Do you see what I'm saying? Optimal Visual Enhancement of Speech Comprehension in noisy environments". *Cerebral Cortex*, 17(5), 1147-53.
- Sangals, J., **Ross, L.** & Sommer, W. (2004). Time pressure effects on information processing in overlapping tasks: evidence from the lateralized readiness potential. *Acta Psychologica (Amst.)*, 117, 275-294.
- Smith, M.R., Antrobus, J.S., Gordon, E., Tucker, M.A., Hirota, Y., Wamsley, E.J., **Ross, L.**, Doan, T., Chaklader, A. & Emery, R.N. (2004). Motivation and affect in REM sleep and the mentation reporting process. *Conscious Cogn.* 3, 501-11.

Manuscripts

- **Ross, L.A.**, Olson, I.R. (in preparation). Imaging the Anterior Temporal Lobes: A brief methodological exploration.
- **Ross, L.A.**, Olson, I.R. (in preparation). Where is Knowledge of Social Concepts Represented?
- **Ross, L.A.**, Gomez-Ramirez, M., Molholm, S., Foxe, J.J. (2009- in revision). The tuning of multisensory speech perception continues through the late childhood years. *Developmental Science*.

Conference Abstracts

- Foxe, J.J., **Ross, L.A.**, Saint-Amour, D., Leavitt, V., Blanco, D., Molholm, S. (2009). The breakdown of multisensory processes in autism and schizophrenia. International Multisensory Research Forum, New York. [Talk]
- Foxe, J.J., **Ross, L.A.**, Blanco, D., Saint-Amour, D., Molholm, S. (2009). Do you see what I am saying? Deficits in the visual enhancement of speech comprehension under noisy environmental conditions in autism. International Meeting of Autism Research, Chicago.
- Gomez-Ramirez, M., Kelly, S., Theeman, M., **Ross, L.A.**, Krakowski, A., Foxe, J.J. (2006). Bridging the senses: An EEG and fMRI co-registration study of auditory, somatosensory and visual multisensory processes. International Multisensory Research Forum, Dublin.
- Norton, J., **Ross, L.A.**, Fryer, P.J., Bakalis, S. (2008). Multisensory integration: the interaction between vision and gestation. International Congress of Engineering and Food.
- **Ross, L.A.**, Lewkowicz, D., Molholm, S., Foxe, J.J. (2003). How the quality of sounds can affect the perception of a bistable motion event. Meeting of the International Multisensory Research Society, Hamilton, Ontario, Canada. [Talk].
- **Ross, L.A.**, Molholm, S., Lewkowicz, D., Javitt, D. C., Foxe, J.J. (2004). "Swoosh": How the Quality of Sounds Affect the Perception of a Visual Motion Illusion. Annual meeting of the Cognitive Neuroscience Society, San Francisco, USA.
- **Ross, L.A.**, Saint-Amour, D., Leavitt, V., Javitt, D.C. and Foxe J.J. (2005). Multisensory speech intelligibility in noisy environments: a behavioral study in healthy controls and patients with schizophrenia. Meeting of the Cognitive Neuroscience Society, New York City, USA.
- **Ross, L.A.**, Saint-Amour, D., Leavitt, V., Javitt, D.C. and Foxe J.J. (2005). Do you see what I'm saying? Optimal Visual Enhancement of Speech Comprehension in Noisy Environments. International Multisensory Research Forum, Rovereto, Italy.
- **Ross, L.A.**, Saint-Amour, D., DeSanctis, P., Molholm, S., Ritter, W., and Foxe J.J. (2006). Sources of multisensory Integration of speech in the human cerebral cortex. Alpine Brain Imaging Meeting, Champéry, Switzerland.
- **Ross, L.A.**, Saint-Amour, D., DeSanctis, P., Molholm, S., Ritter, W., and Foxe J.J. (2006). High-density electrical mapping and source-analysis of the multisensory

mismatch negativity evoked during the McGurk illusion. Cognitive Neuroscience Society San Francisco, USA.

- **Ross, L.A.**, Molholm, S., Gomez-Ramires, M., Sehatpur, P., Brandwein, A. B., Russo, N., Gomes, H., Saint-Amour, D., Foxe, J.J. (2008). Audiovisual integration in word recognition in typically developing children and children with autistic spectrum disorder. International Multisensory Research Forum, Hamburg, Germany.
- **Ross, L.A.**, Berryhill, M., Drowos, D., & Olson, I.R. (2009). Social and semantic processing in the anterior temporal lobe: Evidence from a fMRI conjunction task. Meeting of the Cognitive Neuroscience Society, San Francisco, USA.
- **Ross, L.A.**, Olson, I.R. (2009). The Anterior Temporal Lobes in Social Semantic Memory. Social and Affective Neuroscience Meeting, New York, NY. [Talk]
- Saint-Amour, D., Molholm, S., Sehatpour P., **Ross, L.A.**, Mehta A., Schwartz T., Ritter W. and John J. Foxe (2005). Multisensory mismatch negativity processes in temporal cortex: A human intracranial investigation of the McGurk illusion. Meeting of the Cognitive Neuroscience Society in New York City, USA.
- Tucker, M.A., Hirota, Y., **Ross, L.A.**, Doan, T., Smith, M., Wamsley, E., Antrobus, J. (2003). Limbic activation during REM sleep influences motivational content of mentation report. Meeting of the Associated Professional Sleep Societies, June 6, Chicago, USA.
- Zhou, X., **Ross, L.A.**, Foxe, J.J., Parra, L. (2006). Temporal visual cues aid speech recognition. International Multisensory Research Forum, Dublin June 2006.

Invited Talks

- Center for Cognitive Neuroscience, University of Pennsylvania. “Learning and Recall of Person-Specific Information in Ageing: Possible Applications of Transcranial Direct Current Stimulation.” (2009).
- Center for Autism Research, Children’s Hospital of the University of Pennsylvania. “The Role of Social Semantic Processing in the Anterior Temporal Lobes.” (2009).
- Department of Neurology, University of Pennsylvania (2008). “The role of social semantic processing in the Temporal Poles.” (2008).
- Department of Neuroscience, University of California, San Diego. “Multisensory integration in speech perception and motion processing.” (2006).
- Trinity College, Dublin, Institute of Neuroscience. “Multisensory integration in auditory-visual speech and motion perception.” (2005).

Professional Memberships

- Cognitive Neuroscience Society
- International Multisensory Research Forum